WHAT IS CLAIMED:

1.   A method for detecting a particular content in a stream of video data signals according to a user's criteria, the method comprising the steps of:

5   obtaining a user profile indicating video content preferred by said user;

comparing incoming television programs in a channel to said user profile to detect at least one key frame preferred by said user; and,

storing said key frame preferred by said user in a storage means for subsequent retrieval.

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2.   The method of claim 1, further comprising the step of retrieving said key frame stored in said storage means for display.

3.   The method of claim 1, wherein said comparison step further comprising the

15   step of converting the video signals of said incoming television programs into a time-based map of closed captioning data.

4.   The method of claim 1, further comprising the step of storing a plurality of key words liked by said user in said user profile.

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5.   The method of claim 1, wherein said user profile obtaining step further

comprises the step of interactively creating said user profile in advance of said comparison

step.

5   6.   The method of claim 1, wherein said user profile is obtained according to a

viewing history of said user.

7.   A method for detecting a particular content in a stream of video data signals

according to a user's criteria, the method comprising the steps of:

10   obtaining a user profile indicating video content preferred by said user;

analyzing incoming television programs to detect a plurality of key frames liked by

said user based on said user profile;

identifying the beginning and ending positions of each of the plurality of said key

frames; and,

15   storing the plurality of said key frames liked by said user in a storage means for

subsequent retrieval.

8.   The method of claim 7, further comprising the steps of retrieving the

plurality of said key frames stored in said storage means; and,

20   displaying said identified beginning and ending position of each of the plurality of

said key frames.

9.   The method of claim 7, wherein said analysis step comprises the step of comparing said detected commercial to said user profile to detect the plurality of said key frames liked by said user.

5   10.   The method of claim 7, wherein said analyzing step further includes the steps of:

detecting the frequency of key words appearing within a predetermined time period;

comparing said detected frequency to a threshold value; and,

identifying the beginning and ending positions of each of the plurality of said key

10   frames if said detected frequency exceeds a threshold value.

11.   The method of claim 7, further comprising the step of converting the video signals of said incoming television programs into a time-based map of closed captioning data.

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12.   The method of claim 7, further comprising the step of storing a plurality of key words liked by said user in said user profile.

13.   The method of claim 1, wherein said user profile obtaining step further

20   comprises the step of interactively creating said user profile in advance of said comparison step.

14.   The method of claim 7, wherein said user profile is obtained according to a viewing history of said user.

15.   A system for detecting a particular content in a stream of video data signals

5   according to a user's criteria, comprising:

a memory for storing a computer-readable code; and,

a processor operatively coupled to said memory, said processor configured to:

obtain a user profile indicating video content preferred by said user;

compare incoming television programs in a channel to said user profile to

10   detect at least one key frame preferred by said user; and,

store said key frame preferred by said user in a storage means for subsequent retrieval.

16.   The system of claim 15, wherein said processor is further operative to

15   retrieve said key frame stored in said storage means for display.

17.   The system of claim 15, wherein said processor is further operative to convert the video signals of said incoming television programs into a time-based map of closed captioning data.

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18.   The system of claim 15, wherein said user profile contains a plurality of key words liked by said user.

19.   The system of claim 15, wherein said user profile is interactively created in advance.

20.   A system for detecting a particular content in a stream of video data signals according to a user's criteria, comprising:

a first storage means for storing a plurality of key words liked by said user;

a detection means, coupled to receive incoming television programs, for detecting a plurality of key frames preferred by said user;

a second storage means for storing the plurality of said key frames preferred by said user;

a controlling means, coupled to said first storage means, said detection means, said second storage means for determining the plurality of said key frames preferred by said user based on a comparison between said received incoming television programs and the data stored in said first storage means; and,

a replay means coupled to said controlling means for replaying the plurality of said key frames from said second storage means for viewing.

21.   The system of claim 20, further comprising a converting means for converting said incoming television programs into a time-based map of closed captioning data.

22.   The system of claim 20, further comprising a display means for displaying

the output signals of said replaying means.

23.   The system of claim 15, wherein the data representative of the plurality of

5   said key words liked by said user is interactively created in advance.

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